

ALLOWABLE CLAIMS IN KR 10-2002-0057459

1. A method of providing a multicast service in a wireless communication system, the method comprising:
mapping at least one logical channel into a transport channel; and
transmitting data of the at least one logical channel to a receiving end through the transport channel, wherein the data is added with a header including a first identifier for identifying the at least one logical channel and a second identifier for identifying the multicast service.

2. The method of claim 1, wherein the first identifier is a TCTF (Target Channel Type Field).
3. The method of claim 1, wherein the second identifier is a MBMS (Multimedia Broadcast/Multicast Service) identifier.
4. The method of claim 3, wherein the MBMS identifier is a m-RNTI.
5. The method of claim 1, wherein a third identifier for distinguishing a type of the second identifier is further included in the header.
6. The method of claim 5, wherein the third identifier is a UE ID type.
7. The method of claim 1, wherein the at least one logical channel is a dedicated logical channel or a shared logical channel.
8. The method of claim 1, wherein the transport channel is a shared transport channel.
9. The method of claim 8, wherein the shared transport channel is a DSCH (Downlink Shared Channel).

10. A method of receiving a multicast service in a wireless communication system, the method comprising:

receiving data of at least one logical channel through a transport channel, wherein the data is added with a header including a first identifier for identifying the at least one logical channel and a second identifier for identifying the multicast service;

identifying the at least one logical channel and the multicast service according to the first identifier and the second identifier included in the header; and

delivering the data to a logical channel that is mapped with the transport channel according to the first identifier.

11. The method of claim 10, wherein the first identifier is a TCTF (Target Channel Type Field).

12. The method of claim 10, wherein the second identifier is a MBMS (Multimedia Broadcast/Multicast Service) identifier.

13. The method of claim 12, wherein the MBMS identifier is a m-RNTI.

14. The method of claim 10, wherein a third identifier for distinguishing a type of the second identifier is further included in the header.

15. The method of claim 14, wherein the third identifier is a UE ID type.

16. The method of claim 10, wherein the at least one logical channel is a dedicated logical channel or a shared logical channel.

17. The method of claim 10, wherein the transport channel is a shared transport channel.

18. The method of claim 17, wherein the shared transport channel is a DSCH (Downlink Shared Channel).